

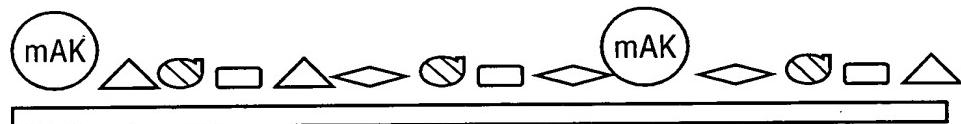
09/889520

Appl. No. 09/889,520
 Dkt. No. 1581.0810000/RWE
 Inventors: Raven *et al.*
 Tel: 202/371-2600
 Title: Assay with Reduced Background

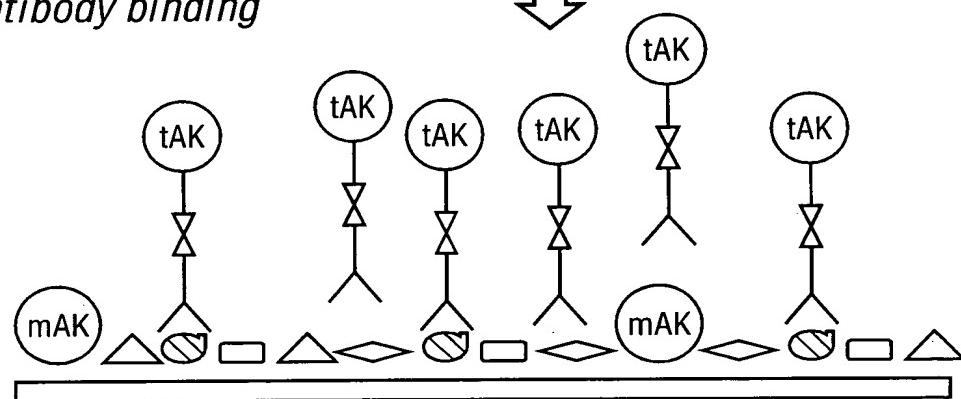
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Prion ELISA - 1

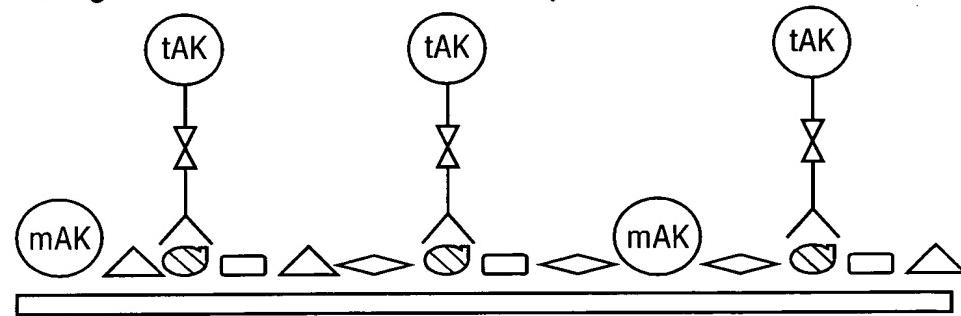
1. Blocking



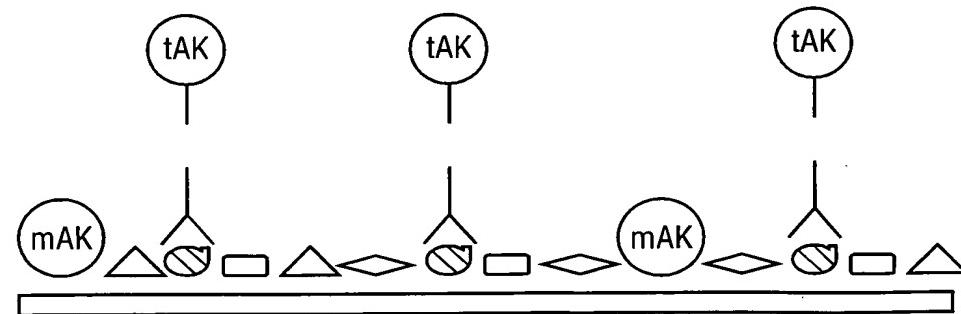
2. Antibody binding



3. Washing



4. Linker cleavage



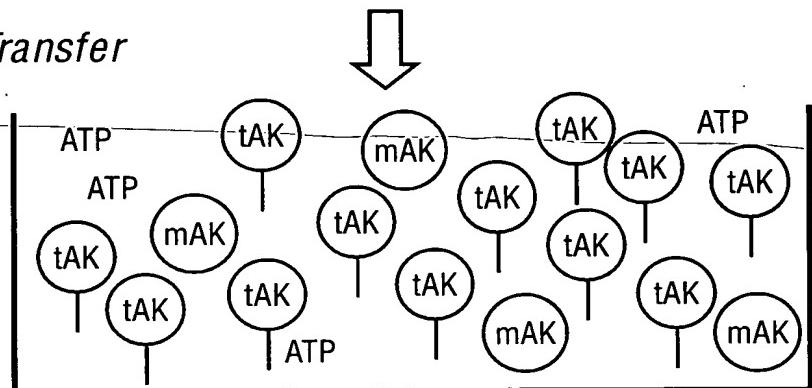
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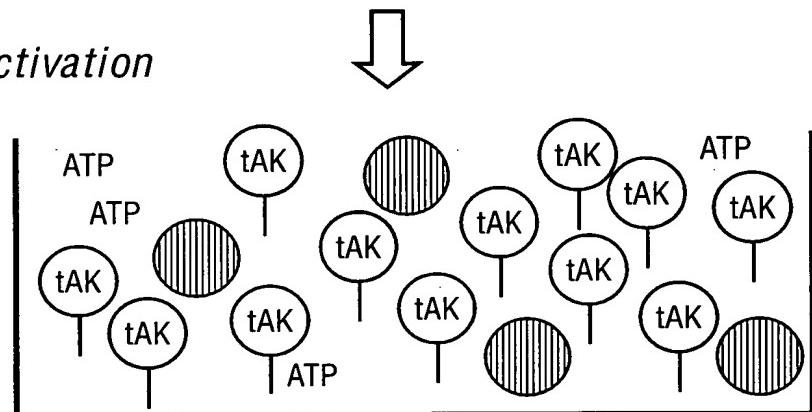
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Prion ELISA - 2

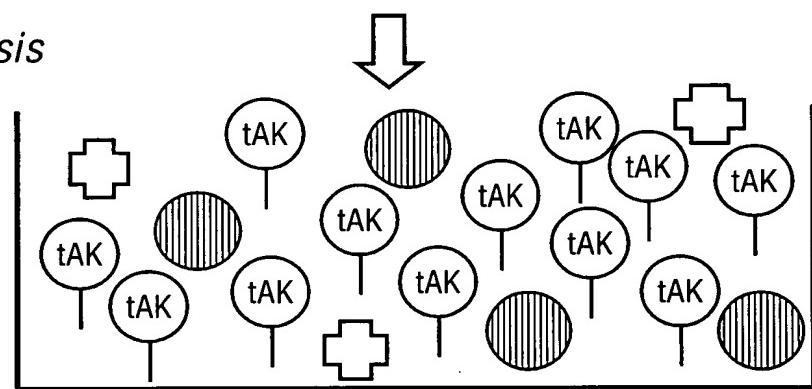
5. Recovery / Transfer



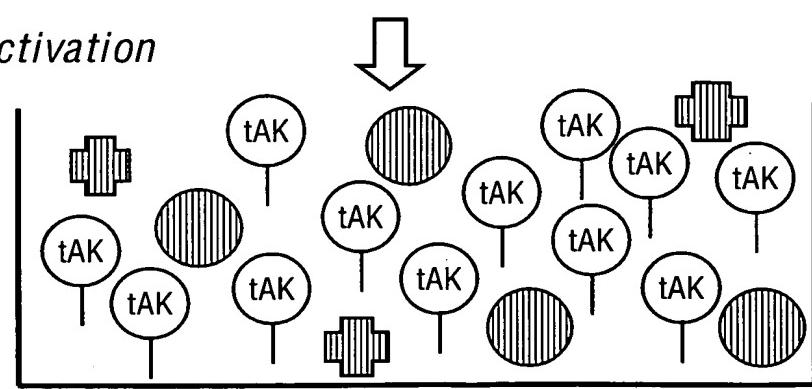
6. Thermal Inactivation



7. ATP Hydrolysis



8. Thermal Inactivation



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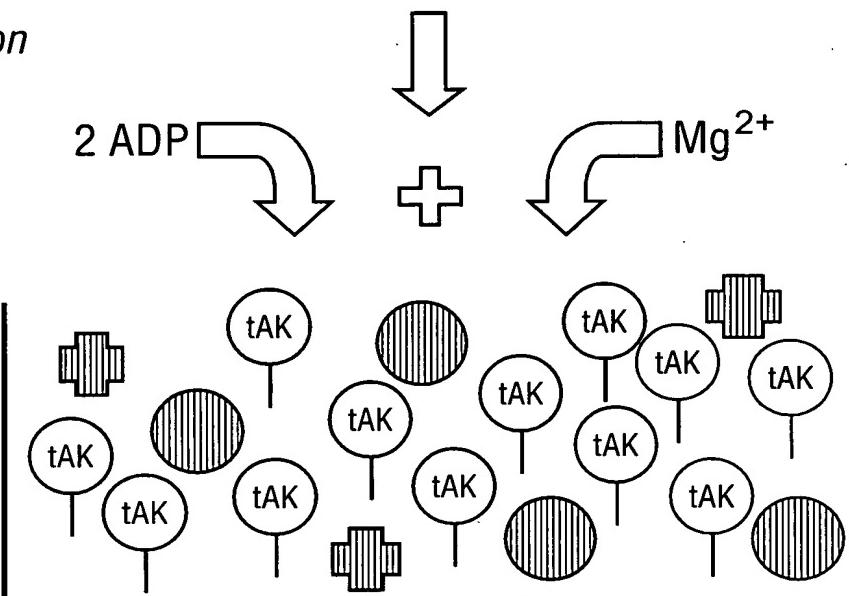
09/889550

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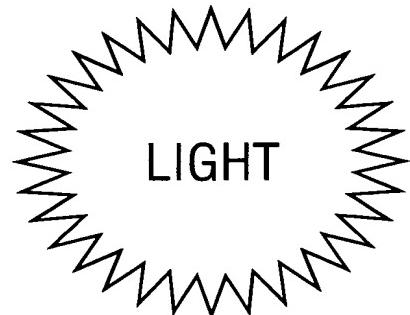
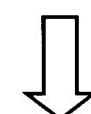
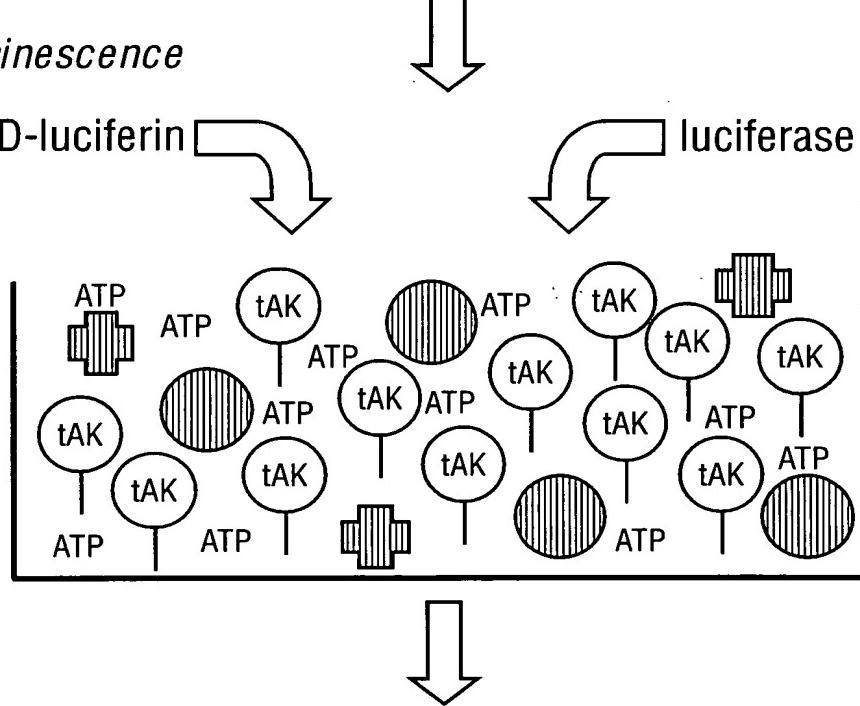
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Prion ELISA - 3

9. ATP Generation



10. ATP Bioluminescence



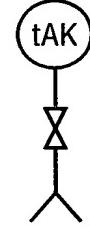
09889550 - Rev 1.000

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Key to Prion ELISA

-  - mesophilic adenylate kinase
-  - prion protein
- 

 } - miscellaneous cellular materials
-  - thermostable adenylate kinase
-  - cleavable linker
-  - antibody
-  - antibody - thermostable adenylate kinase conjugate
- ATP - adenosine 5'-triphosphate
-  - apyrase / adenosine deaminase
-   - thermally inactivated enzymes

EQUITY 0000000000000000